IN THE CLAIMS

1. (currently amended) Analyzer of anisotropy and entropy of an organized chemical system, the analyzer comprising:

a coherent transceiver (21, 22, 27) for radiating a coherent electromagnetic field beacon that generates radio frequencies displaying ~~one or more~~ a fundamental spectral lines and simultaneously at least one harmonic thereof containing information concerning interaction between the coherent electromagnetic field beacon and an organized chemical system; and

a spectrum analyzer of the radio frequencies displaying the spectral lines and simultaneous at least one harmonic thereof for analysis from variation of the spectral lines of states of structural anisotropy and entropy of the organized chemical system.

2. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that it further comprises demodulation means coupled to said coherent transceiver (21, 22, 27) for demodulating the radio frequencies.

3. (previously presented) Analyzer of anisotropy end entropy of organized chemical systems according to claim 1, characterized in that the coherent electromagnetic field beacon is within bands of biological absorption.

4. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

5. (original) Analyzer of anisotropy and entropy of organized chemical systems according to claim 4, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

6. (previously presented) Method for analyzing anisotropy and entropy of organized chemical systems, characterized in that it comprises the steps of radiating coherent electromagnetic frequencies to an organized chemical system, and analyzing absorption lines caused by interaction of the coherent electromagnetic frequencies with the organized chemical system .

7. (previously presented) Analyzer of anisotropy end entropy of organized chemical systems according to claim 2, characterized in that the coherent electromagnetic field beacon is within bands of biological absorption.

8. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 2, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

9. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 8, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

10. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 11, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

11. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 3, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

12. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 7, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

13. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 12, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

14. (currently amended) In an analyzer of anisotropy and entropy of an organized chemical system, the improvements comprising:

a coherent transceiver (21, 22, 27) for radiating a coherent electromagnetic field beacon that generates ~~MHz~~ radio frequencies displaying ~~one or more~~ a fundamental spectral lines and simultaneously at least one harmonic thereof containing information concerning interaction between the coherent electromagnetic field beacon and an organized chemical system; and

a spectrum analyzer of the ~~MHz~~ radio frequencies displaying the spectral lines and simultaneous at least one harmonic thereof for analysis from variation of the spectral lines of states of structural anisotropy and entropy of the organized chemical system.

15. (new) The analyzer of anisotropy and entropy of an organized chemical system according to claim 14, wherein the system is in vitro.

16. (new) The analyzer of anisotropy and entropy of an organized chemical system according to claim 14, wherein the harmonic is higher.

17. (new) The analyzer of anisotropy and entropy of an organized chemical system according to claim 15, wherein the harmonic is higher.

18. (new) The analyzer of anisotropy and entropy of an organized chemical system according to claim 14, wherein the at least one harmonic is at least three higher harmonics.

19. (new) The analyzer of anisotropy and entropy of an organized chemical system according to claim 17, wherein the at least one harmonic is at least three higher harmonics.

20. (new) The analyzer of anisotropy and entropy of an organized chemical system according to claim 18, wherein the fundamental spectral line and at least three higher harmonics are at MHz frequencies.